



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,360	11/20/2003	Mitsuhiro Fukuda	KOT-0084	9510
23413	7590	03/20/2006	EXAMINER	
CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002			THOMPSON, CAMIE S	
			ART UNIT	PAPER NUMBER
			1774	

DATE MAILED: 03/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



### DETAILED ACTION

1. Examiner regrets the untimely reopening of prosecution.
2. Applicant's amendment and accompanying remarks filed March 6, 2006 have been acknowledged.
3. Examiner acknowledges amended claims 6-9.
4. Examiner acknowledges cancelled claims 1-4 and 12.
5. Examiner acknowledges newly added claims 13-16.

### *Claim Rejections - 35 USC § 102*

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

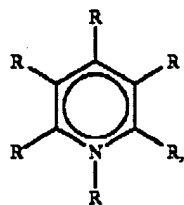
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 5-11 and 13-16 are rejected under 35 U.S.C. 102(e) as being anticipated by

Thoms et al., U.S. Pre Grant Publication 2003/0205696.

Thoms discloses a guest-host system emissive system used in organic light emitting devices.

Paragraph 0012 of the reference discloses that the host is a carbazole based compound having a structure

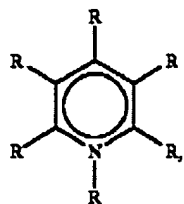


, wherein at least two R are carbazole or substituted carbazole (see paragraph 0061). When there are three R's that are substituted on the 2-, 3- and 6- position, there is no n-fold axis of symmetry. Thoms also discloses that the guest emissive material can be tris(2-phenylpyridine)iridium as per instant claims 1 and 9-11 (see paragraph 0015). The reference reads on the instant claims when at least one substituted carbazole has different substituents from that of another substituted carbazole. For example the substituted carbazole at the 2-position can have alkyl substituents whereas the carbazole at the 6-position has no substituents.

### *Response to Arguments*

8. Applicant's arguments filed March 6, 2006 have been fully considered but they are not persuasive. Examiner regrets the indication of allowance of claim 5 in the previous Office Action. The Thoms Pre-Grant publication reads on instant claim 5 when the host is a carbazole based compound having a structure


Art Unit: 1774



, wherein at least two R are carbazole or substituted carbazole. The reference reads on the instant claims when R at the 2-position has alkyl substituents. Again, examiner regrets the untimely reopening of prosecution.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Camie S. Thompson whose telephone number is (571) 272-1530. The examiner can normally be reached on Monday through Friday from 7:30 am to 4:00 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena L Dye, can be reached at (571) 272-3186. The fax phone number for the Group is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
RENA DYE  
SUPERVISORY PATENT EXAMINER  
A.U. 1774 3116/07